

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 2 on page 8 with the following amended paragraph:

A₁
A fourth switch 336 operates to couple the voltage driver 304 and a calibration circuit 338 346 from each of the columns in the matrix 400. During a calibration mode, the calibration circuit 346 is connected to the column in the matrix 400 via the switch 336. During normal operation, the voltage driver 304 is connected to the column in the matrix 400 via the switch 336.

Please replace paragraph 1 on Page 9 with the following amended paragraph:

A₂
In one embodiment of the invention, the correction tables are calculated prior to and/or during normal circuit operation. Since the OLED output light level is linear with respect to OLED current, the correction scheme is based on sending a known current through the OLED diode for a duration sufficiently long to allow the transients to settle out and then measuring the corresponding voltage with an analog to digital converter (A/D) ~~348~~ 349 residing on the column driver 300. A calibration current source 354 and the A/D ~~348~~ 349 can be switched to any column through a switching matrix.